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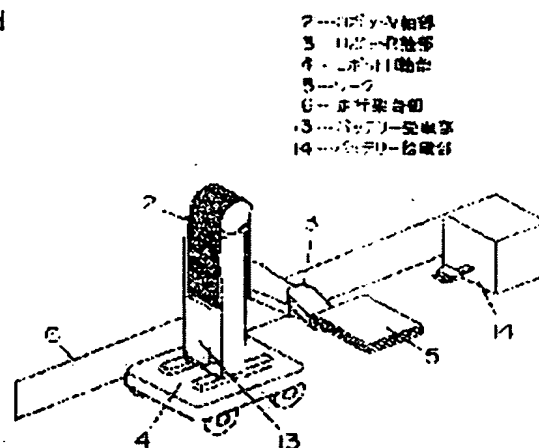
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(54) SELF-TRAVELING CLEAN STOCKER ROBOT SYSTEM AND ITS ROBOT

(57)Abstract:

PROBLEM TO BE SOLVED: To improve productivity, a cost, and a production equipment environment in a clean stocker cassette transfer robot used for carrying a liquid crystal substrate.

SOLUTION: Dust and noise becoming a problem when supplying a contact type power source are reduced by using a battery initial power receiving part 13 being noncontact type power source supply as a driving power source of a cassette transfer robot in a clean stocker. At the same time, this battery 13 is mounted on a robot V shaft part 2, and also functions as a counterweight of the robot V shaft part 2. A battery power supply part 14 is also arranged in a traveling stand part 6, and can charge the battery by setting so as to return to the place when the clean stocker robot does not perform transfer work of a cassette, and can also charge the battery by using regenerative electric power generated when descending the robot V shaft part.



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